

ABSTRACT OF THE DISCLOSURE

A novel monoclonal antibody that specifically recognizes phosphatidylinositol-3,4-biphosphate (PI-3,4-P2) but does not cross-react with structurally similar phospholipid antigens is advantageous for PI-3,4-P2-specific immunoassay. The gene in the variable regions of the monoclonal antibody has been identified, which enables producing recombinant antibodies.

10

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